IN THE CLAIMS:

The following listing of claims replaces any earlier listing:

1-32. (cancelled)

33. (new) A device for testing functionality of loudspeakers installed in a vehicle, comprising:

an antenna for receiving alternating electro-magnetic fields of the loudspeakers as signals,

a unit for analysis of the received signals directly as electric signals with respect to signal components in the transmission range of the loudspeakers, and

an output unit for signaling the functionality.

34. (new) The device according to Claim 33, wherein the antenna includes one or more receiver coils.

35. (new) The device according to Claim 34, wherein the receiver coils are oriented in different spatial directions.

36. (new) The device according to Claim 33, wherein between the antenna and the unit for analysis an amplifier is provided for amplifying the received signal.

37. (new) The device according to Claim 33, wherein the unit for analysis includes a filter unit for filtering the received signals.

38. (new) The device according to Claim 37, wherein the filter unit includes a band pass filter with a throughput range corresponding to the transmission range of the loudspeaker.

39. (new) The device according to Claim 37, wherein the filter unit includes multiple switchable band pass filters with throughput ranges corresponding to the transmission ranges of different loudspeakers.

40. (new) The device according to Claim 37, wherein the filter unit includes a filter with a throughput range of approximately 100 Hz to 10 kHz.

41. (new) The device according to Claim 33, wherein the unit for analysis is adapted for logarithmic evaluation of the received signals.

42. (new) The device according to Claim 33, further including an input for receiving the audio signals supplied to the loudspeaker, and wherein the unit for analysis is adapted for correlating the received signals with the supplied audio signals.

43. (new) The device according to Claim 33, wherein the output unit is capable of providing an optical and/or acoustic signal.

44. (new) The device according to Claim 33, including a portable housing.

45. (new) The device according to Claim 33, including an independent energy supply.

46. (new) The device according to Claim 45, wherein said independent energy supply is a battery or a fuel cell system.

47. (new) The device according to Claim 33, wherein an analog-digital converter is provided subsequent to the antenna, and wherein the unit for analysis of the received signal is a device for digital signal processing.

48. (new) The device according to Claim 47, wherein the device for digital signal processing is a micro-controller, signal processor or a ASIC.

49. (new) A process for testing functionality of a loudspeaker installed in a vehicle, comprising:

operating the loudspeaker to produce an alternating electro-magnetic field,

using an antenna to detect said alternating electro-magnetic field as a received signal,

evaluating the received signal directly as an electric signal for signal components in the transmission range of loudspeakers using a unit for analysis, and

in the case that functionality is confirmed, displaying this result using a display unit.